

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 01/00905

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B22F 1/00, B22F 3/00, C22C 33/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B22F, C22C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO INTERNAL

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3811878 A (HUNG-CHI CHAO ET AL), 21 May 1974 (21.05.74), column 1, line 59 - line 67; column 4, line 27 - column 6, line 67  --	1-5,6
X	US 3989518 A (ROBER L. RUECKL), 2 November 1976 (02.11.76), column 1, line 43 - column 2, line 5; column 2, line 38 - line 54  --	1-5,6
X	US 4797251 A (TAKAHUMI SAKURAMOTO ET AL), 10 January 1989 (10.01.89), column 2, line 26 - line 40; column 4, line 49 - line 57; column 6, line 27 - column 7, line 11  --	1-5,6

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

13 July 2001

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18-07-2001

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9936214 A1 (SCANDINAVIAN POWDERTECH AB), 22 July 1999 (22.07.99)  --	1-5,6
A	US 5460641 A (CHRISTER ASLUND ET AL), 24 October 1995 (24.10.95)  --	1-5,6
A	US 2775566 A (HENRY L. CROWLEY), 25 December 1956 (25.12.56)  -- -----	1-5,6

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

02/07/01

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Patent document cited in search report			Publication date	Patent family member(s)	Publication date
US	3811878	A	21/05/74	AU 473844 B	01/07/76
				AU 6310973 A	05/06/75
				BE 808330 A	06/06/74
				BR 7309488 D	00/00/00
				CA 996784 A	14/09/76
				DE 2360914 A,C	12/06/74
				ES 421170 A	16/07/76
				FR 2209627 A,B	05/07/74
				GB 1415015 A	26/11/75
				IT 999914 B	10/03/76
				NL 7316613 A	10/06/74
US	3989518	A	02/11/76	AT 320876 A	15/12/78
				AT 351274 B	10/07/79
				AU 503814 B	20/09/79
				AU 1327176 A	27/10/77
				BE 841416 A	03/11/76
				BR 7602791 A	16/11/76
				CA 1073709 A	18/03/80
				DE 2619928 A,C	25/11/76
				ES 447698 A	01/07/77
				FR 2310177 A,B	03/12/76
				GB 1543059 A	28/03/79
				IT 1070225 B	29/03/85
				JP 1231888 C	26/09/84
				JP 51136507 A	26/11/76
				JP 59007322 B	17/02/84
				NL 7604432 A	10/11/76
				NO 761579 A	09/11/76
				SE 7605103 A	09/11/76
US	4797251	A	10/01/89	DE 3565993 D	00/00/00
				EP 0161854 A,B	21/11/85
				JP 60230915 A	16/11/85
				JP 60230916 A	16/11/85
				JP 60230917 A	16/11/85
WO	9936214	A1	22/07/99	AU 5786798 A	18/08/98
				EP 0959804 A	01/12/99
				EP 1047518 A	02/11/00
				NO 20003585 A	12/09/00
				SE 511834 C	06/12/99
				SE 9800073 A	14/07/99
US	5460641	A	24/10/95	CA 2127344 A	07/01/95
				EP 0633083 A	11/01/95
				FR 2707191 A,B	13/01/95
				JP 7054002 A	28/02/95
US	2775566	A	25/12/56	NONE	

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				BE	808330 A	06/06/74
				BR	7309488 D	00/00/00
				CA	996784 A	14/09/76
				DE	2360914 A,C	12/06/74
				ES	421170 A	16/07/76
				FR	2209627 A,B	05/07/74
				GB	1415015 A	26/11/75
				IT	999914 B	10/03/76
				NL	7316613 A	10/06/74
US	3989518	A	02/11/76	AT	320876 A	15/12/78
				AT	351274 B	10/07/79
				AU	503814 B	20/09/79
				AU	1327176 A	27/10/77
				BE	841416 A	03/11/76
				BR	7602791 A	16/11/76
				CA	1073709 A	18/03/80
				DE	2619928 A,C	25/11/76
				ES	447698 A	01/07/77
				FR	2310177 A,B	03/12/76
				GB	1543059 A	28/03/79
				IT	1070225 B	29/03/85
				JP	1231888 C	26/09/84
				JP	51136507 A	26/11/76
				JP	59007322 B	17/02/84
				NL	7604432 A	10/11/76
				NO	761579 A	09/11/76
				SE	7605103 A	09/11/76
US	4797251	A	10/01/89	DE	3565993 D	00/00/00
				EP	0161854 A,B	21/11/85
				JP	60230915 A	16/11/85
				JP	60230916 A	16/11/85
				JP	60230917 A	16/11/85
WO	9936214	A1	22/07/99	AU	5786798 A	18/08/98
				EP	0959804 A	01/12/99
				EP	1047518 A	02/11/00
				NO	20003585 A	12/09/00
				SE	511834 C	06/12/99
				SE	9800073 A	14/07/99
US	5460641	A	24/10/95	CA	2127344 A	07/01/95
				EP	0633083 A	11/01/95
				FR	2707191 A,B	13/01/95
				JP	7054002 A	28/02/95
US	2775566	A	25/12/56	NONE		

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